AMENDMENTS TO THE CLAIMS:

Additions are shown by double underlining. Deletions in the text are shown by double brackets for words or phrases containing less than five letters and by strikethroughs for words containing five or more letters. Deletions in the formulas are shown by strikethroughs.

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended): A method for the treatment of an HCV infection in a host comprising administering an effective amount of a compound of the formula (I):

or a pharmaceutically acceptable salt thereof, wherein:

(a[[j]]) each R⁴ and R^{4'} is independently hydrogen, halogen (F, Br, Cl, or I), pseudohalogen, [[-CN,]] [[-]]NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁴ and R^{4'} is hydrogen;

($\underline{b}[[k]]$) each R^5 and R^5 is independently hydrogen, halogen (F, Br, Cl, $\underline{or}[I)$), pseudohalogen, [[-CN,]] NO₂, lower alkyl of C₁-C₆, [[or]] halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R^5 and R^5 is hydrogen;

($\underline{c}[[1]]$) each R^6 and R^7 is independently hydrogen, alkyl, halogenated alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, or acyl; ($\underline{d}[[m]]$) R^1 is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C_1 - C_6 ; ($\underline{e}[[n]]$) R^2 is oxygen, sulfur, [[-]]NR', or [[-]]CR', wherein each R' is independently hydrogen, lower alkyl, alkylene, alkenyl, aryl, or aralkyl of C_1 - C_6 ; ($\underline{f}[[0]]$) R^3 is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C_1 - C_6 (C_1 , C_2 , C_3 , C_4 , C_6 , C_6);

($\underline{q}[[p]]$) alternatively if R^2 is [[-]]NR', then R^1 or R^3 can come together with [[-]]NR' to form a substituted or unsubstituted 5-7 membered ring that can include one or more heteroatoms; or

 $(\underline{h}[[q]])$ if R^2 is $[[-]]CR'_2$, then R^1 or R^3 can come together with $[[-]]CR'_2$ to form a substituted or unsubstituted 5-7 membered ring that can include one or more heteroatoms; or

(i[[r]]) if R² is [[-]]CR'₂, then R¹ and R³ can come together with [[-]]CR'₂ to form a substituted or unsubstituted bicyclic ring that can include one or more heteroatoms; and

(j) W is O or CH₂;

optionally with a pharmaceutically acceptable carrier.

- 2. (Original): The method of claim 1, wherein R⁵ and/or R^{5'} is OH.
- 3. (Original): The method of claim 1, wherein R⁵ or R^{5'} is a residue of an amino acid.
- 4. (Original): The method of claim 3, wherein the amino acid is valine.

- 5. (Original): The method of claim 3, wherein the amino acid is L-valine.
- 6. (Currently Amended): A method for the treatment of an HCV infection in a host comprising administering an effective amount of a compound of the general formula 1 (A-D), 2 (A-D), 3 (A-B), 4 (A-B), 5 (A-B), 6 (A-B), 7 (A-C) or 8 (A):

F

- (a) each R^4 and $R^{4'}$ is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] [[-]]NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁴ and R^{4'} is hydrogen;
- (b) each R⁵ and R^{5'} is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁵ and R^{5'} is hydrogen;
- (c) each R⁶ and R⁷ is independently hydrogen, alkyl, halogenated alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, or acyl;

(d) R² is oxygen, sulfur, [[-]]NR'_± or [[-]]CR'₂, wherein each R' is independently hydrogen, lower alkyl, alkylene, alkenyl, aryl, or aralkyl of C₁-C₆;

- (e) [[each]] Z, Z' and Z" is independently CH, CX_x or N;
- (f) each X, X'₂ and X" is independently hydrogen, halogen (F, Cl, Br₂ or I), NH₂, NHR^c, NR^cR^{c'}, NHOR^c, NR^cNR^{c'}R^{c''}, OH, OR^c, SH₂ or SR^c;
- (g) each Y and Y' is independently O, S, NH, NRc, NORc or Se;
- (h) each R^a is <u>independently</u> hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl₁ or aminoacyl of C_1 - C_6 ; [[and]]
- (i) each R^c, R^c, and R^c independently is hydrogen, lower alkyl, lower alkenyl, aryl, or arylalkyl such as unsubstituted or substituted phenyl or benzyl, cycloalkyl, eyleopropyl or cyclopropyl; and
- (i) W is O or CH₂:
 optionally with a pharmaceutically acceptable carrier.
- 7. (Currently Amended): A method for the treatment of an HCV infection in a host comprising administering an effective amount of a compound of the general formula:

$$R^{5'}$$
 $R^{4'}$
 $R^{4'}$
 R^{4}
 $R^{5'}$
 R^{4}
 $R^{5'}$
 R^{4}

- (a) each R⁴ and R^{4'} is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] [[-]]NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁴ and R^{4'} is hydrogen;
- (b) each R⁵ and R^{5'} is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁵ and R^{5'} is hydrogen;
- (c) each R⁶ and R⁷ is independently hydrogen, alkyl, halogenated alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, or acyl;
- (d) R² is oxygen, sulfur, [[-]]NR'_± or [[-]]CR'₂, wherein each R' is independently hydrogen, lower alkyl, alkylene, alkenyl, aryl, or aralkyl of C₁-C₆;
- (e) each Z[[,]] and Z' and Z" is independently CH, CX, or N;
- (f) [[each]] X, X' and X" is independently hydrogen, halogen (F, Cl, Br₁ or I), NH₂, NHR^c, NR^cR^{c'}, NHOR^c, NR^cNR^{c'}R^{c''}, OH, OR^c, SH₁ or SR^c;
- (g) each Y and Y' is O, S, NH, NR^e, NOR^e or Se;
- (h) each Ra is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl,

heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C1-C6;

 $(\underline{q}[[i]]) R^b$ is R^c , OR^c , NH_2 , $NHR^c_{\underline{*}}$ or $NR^cR^c_{\underline{*}}$ $NR^cR^c_{\underline{*}}$; [[and]]

(<u>h[[j]]</u>) each R^c, R^{c'}, and R^{c''} independently is hydrogen, lower alkyl, lower alkenyl, aryl, or arylalkyl such as unsubstituted or substituted phenyl or benzyl, cycloalkyl, cylcopropyl <u>or cyclopropyl</u>; <u>and</u>

(i) W is O or CH₂;

optionally with a pharmaceutically acceptable carrier.

8. (Currently Amended): A method for the treatment of an HCV infection in a host comprising administering an effective amount of a compound of the general formula:

or a pharmaceutically acceptable salt thereof, optionally with a pharmaceutically acceptable carrier.

9. (Currently Amended): A method for the treatment of an HCV infection in a host comprising administering an effective amount of a compound of the general formula:

N N S	NH ₂	OH OH	OH OH
1 (N)	1 (0)	1 (P)	1 (Q)
THE	S NH O OH OH	N N N N N N N N N N N N N N N N N N N	N N O N N N N N N N N N N N N N N N N N
1 (R)	1 (S)	1 (T)	1 (U)
OH OH	1 (W)	N N N O	OH OH
1 (V)		1 (X)	1 (Y)

or a pharmaceutically acceptable salt thereof, optionally with a pharmaceutically acceptable carrier.

- 10. (Original): The method of any one of claims 1, 6, 7, 8, or 9, further comprising administering to the host in combination and/or alternation one or more effective antiviral agents, optionally with a pharmaceutically acceptable carrier.
- 11. (Currently Amended): The method of claim 10, wherein the anti-viral agent is selected from the group consisting of ribavirin, interferon, PEGASYS [[(]]pegylated interferon alfa –2a[[)]], INFERGEN [[(]]interferon alfacon-1[[)]], OMNIFERON [[(]]natural interferon[[)]], ALBUFERON albinterferon alpha 2b, REBIF [[(]]interferon beta-1a[[)]], [[O]]omega [[I]]interferon, [[O]]oral [[I]]interferon [[A]]alpha, [[I]]interferon gamma-1b,

[[I]]interleukin-10, IP-501, [[M]]merimebodib VX-497, AMANTADINE amantadine (Symmetrel), HEPTAZYME, IDN-6556., XTL-002, HCV/MF59, hepatitis C immune globulin CIVACIR, levovirin LEVOVIRIN, viramidine, VIRAMIDINE, ZADAXIN [[(]]thymosin alfa-1[[)]], CEPLENE [[(]]histamine dihydrochloride[[)]], and telaprevir. VX-950 / LY-570310, ISIS 14803, IDN-6556 and JTK 003.

- 12. (Original): The method of any one of claims 1, 6, 7, 8, or 9, wherein the host is a human.
- 13. (Currently Amended): A compound of the formula (I):

$$R^{5'}$$
 $R^{4'}$
 $R^{4'}$
 $R^{4'}$
 R^{4}
 R^{4}
 $R^{5'}$
 R^{4}
 R^{5}
 R^{4}
 R^{3}

- (a) each R⁴ and R^{4'} is independently hydrogen, halogen (F, Br, Cl, or l), pseudohalogen, [[-CN,]] [[-]]NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁴ and R^{4'} is hydrogen;
- (b) each R⁵ and R^{5'} is independently hydrogen, halogen (F, Br, Cl, <u>or l)</u>, pseudohalogen, [[-CN,]] NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁵ and R^{5'} is hydrogen;

- (c) each R⁶ and R⁷ is independently hydrogen, alkyl, halogenated alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, or acyl;
- (d) R¹ is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C₁-C₆;
- (e) R² is oxygen, sulfur, [[-]]NR'_± or [[-]]CR'₂, wherein each R' is independently hydrogen, lower alkyl, alkylene, alkenyl, aryl, or aralkyl of C₁-C₆;
- (f) R³ is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C₁-C₆;
- (g) alternatively if R² is [[-]]NR', then R¹ or R³ can come together with [[-]]NR' to form a substituted or unsubstituted 5-7 membered ring that can include one or more heteroatoms; or
- (h) if R² is [[-]]CR'₂, then R¹ or R³ can come together with [[-]]CR'₂ to form a substituted or unsubstituted 5-7 membered ring that can include one or more heteroatoms; or
- (i) if R² is [[-]]CR'₂, then R¹ and R³ can come together with [[-]]CR'₂ to form a substituted or unsubstituted bicyclic ring that can include one or more heteroatoms; and
- (j) W is O or CH₂;

optionally with a pharmaceutically acceptable carrier.

- 14. (Original): The compound of claim 13, wherein R⁵ and/or R^{5'} is OH,
- 15. (Original): The compound of claim 13, wherein R⁵ or R^{5'} is a residue of an amino acid.
 - 16. (Original): The compound of claim 15, wherein the amino acid is valine.

- 17. (Original): The compound of claim 15, wherein the amino acid is L-valine.
- 18. (Currently Amended): A compound of the general formula 1 (A-D), 2 (A-D), 3 (A-B), 4 (A-B), 5 (A-B), 6 (A-B), 7 (A-C) or 8 (A):

- (a) each R^4 and $R^{4'}$ is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] [[-]]NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R^4 and $R^{4'}$ is hydrogen;
- (b) each R⁵ and R^{5'} is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁵ and R^{5'} is hydrogen;
- (c) each R⁶ and R⁷ is independently hydrogen, alkyl, halogenated alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, or acyl;

- (d) R^2 is oxygen, sulfur, [[-]]NR' $_{\pm}$ or [[-]]CR' $_2$, wherein each R' is independently hydrogen, lower alkyl, alkylene, alkenyl, aryl, or aralkyl of C_1 - C_6 ;
- (e) [[each]] Z, Z' and Z" is independently CH, CX₂ or N;
- (f) each X, X', and X" is independently hydrogen, halogen (F, Cl, Br, or I), NH₂, NHR^c, NR^cR^{c'}, NHOR^c, NR^cNR^{c'}R^{c''}, OH, OR^c, SH, or SR^c;
- (g) each Y and Y' is independently O, S, NH, NR^c, NOR^c, or Se;
- (h) each R^a is <u>independently</u> is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C_1 - C_6 ; [[and]]
- (i) each R^c, R^c, and R^c independently is hydrogen, lower alkyl, lower alkenyl, aryl, or arylalkyl such as unsubstituted or substituted phenyl or benzyl, cycloalkyl, eylcopropyl or cyclopropyl; and
- (j) W is O or CH₂;

optionally with a pharmaceutically acceptable carrier.

19. (Currently Amended): A compound of the general formula:

$$R^{5'}$$
 $R^{4'}$
 R^{4}
 R^{4}
 R^{5}
 R^{4}

- (a) each R⁴ and R^{4'} is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] [[-]]NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁴ and R^{4'} is hydrogen;
- (b) each R⁵ and R^{5'} is independently hydrogen, halogen (F, Br, Cl, or l), psuedohalogen pseudohalogen, [[-CN,]] NO₂, lower alkyl of C₁-C₆, halogenated lower alkyl, hydroxyl, alkoxy, CH₂OH, CH₂OR⁶, [[-]]NH₂, [[-]]NR⁶R⁷, or a residue of an amino acid; wherein at least one of R⁵ and R^{5'} is hydrogen;
- (c) each R⁶ and R⁷ is independently hydrogen, alkyl, halogenated alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, or acyl;
- (d) R^2 is oxygen, sulfur, [[-]]NR'_± or [[-]]CR'₂, wherein each R' is independently hydrogen, lower alkyl, alkylene, alkenyl, aryl, or aralkyl of C_1 - C_6 ;
- (e) each Z[[,]] and Z' and Z" is independently CH, CX, or N;
- (f) [[each]] X, X' and X" is independently hydrogen, halogen (F, Cl, Br, or I), NH₂, NHR^c, NR^cR^{c'}, NHOR^c, NR^cNR^{c'}R^{c''}, OH, OR^c, SH, or SR^c;
- (g) each Y and Y' is O, S, NH, NR^e, NOR^e or Se;
- (h) each R^a is hydrogen, lower alkyl, alkylene, alkenyl, carbocycle, aryl, heterocycle, heteroaryl, aralkyl, aminoalkyl, aminoaryl, or aminoacyl of C_1 - C_6 ; ($\underline{q}[[i]]$) R^b is R^c , OR^c , NH_2 , NHR^c , or $\underline{NR^cR^c}$; [[and]] ($\underline{h}[[j]]$) each R^c , R^c , and R^c independently is hydrogen, lower alkyl, lower alkenyl,

aryl, or arylalkyl such as unsubstituted or substituted phenyl or benzyl, cycloalkyl,

cylcopropyl or cyclopropyl; and

(i) W is O or CH₂;

optionally with a pharmaceutically acceptable carrier.

20. (Currently Amended): A compound of the general formula:

or a pharmaceutically acceptable salt thereof, optionally with a pharmaceutically acceptable carrier.

21. (Currently Amended): A compound of the general formula:

or a pharmaceutically acceptable salt thereof, optionally with a pharmaceutically acceptable carrier.

- 22. (Original): A pharmaceutical composition comprising an effective amount of any one of the compounds of claims 13, 18, 19, 20, or 21, together with a pharmaceutically acceptable carrier.
- 23. (Original): A pharmaceutical composition comprising an effective amount of any one of the compounds of claims 13, 18, 19, 20, or 21, together with one or more effective anti-viral agents, optionally with a pharmaceutically acceptable carrier.
- 24. (Currently Amended): The pharmaceutical composition of claim 23, wherein the anti-viral agent is selected from the group consisting of ribavirin, interferon, PEGASYS [[(]]pegylated interferon alfa –2a[[)]], INFERGEN [[(]]interferon alfacon-1[[)]], OMNIFERON [[(]]natural interferon[[)]], ALBUFERON albinterferon alpha 2b, REBIF [[(]]interferon beta-1a[[)]], [[O]]omega [[I]]interferon, [[O]]oral [[I]]interferon [[A]]alpha, [[I]]interferon gamma-1b, [[I]]interleukin-10, IP-501, [[M]]merimebodib VX-497, AMANTADINE amantadine (Symmetrel), HEPTAZYME, IDN-6556., XTL-002, HCV/MF59, hepatitis C immune globulin CIVACIR, levovirin LEVOVIRIN, viramidine VIRAMIDINE, ZADAX1N [[(]]thymosin alfa-1[[)]], CEPLENE [[(]]histamine dihydrochloride[[)]], and telaprevir. VX 950 / LY 570310, ISIS 14803, IDN-6556 and JTK-003.